FIRING/NONFIRING DATA

For use of this form see USAIC Regulation 350-19; the proponent agency is DPTMS

TO: Chief, Range Division, Directorate of Plans, Training, Mobilization and Security Fort Benning, GA 31905	**Date:** 5 March 2012 LOG# 2-7-11 **Range:** Oscar 3 (Copple Range) **Title:** Qual, Fire Alt Positions, Barricade, NBC, Field Fire **Problem No:**
THRU: Chief, Range Operations Fort Benning, GA 31905	**FROM:** Survey, Range Operations Fort Benning, GA 31905

SECTION I, TYPE OF TRAINING

☑ a. Live Fire ☐ b. Non-live Fire CP/Controller Coordinates: GB 0453 0119

SECTION II, DEMOLITIONS/GRENADES/MINES/PYROTECHNICS

Coordinates	Type	Model/DODAC	Size of Charges
N/A			

SECTION III, WEAPONS/AMMUNITION REQUESTED

Coordinates of Weapons Position	Type Weapon/Model Number	Type Ammunition	Left Limit	Right Limit
FP1: GB 0461 0132 to FP16: GB 0452 0103	M16/M4	5.56mm Ball/Tracer	1760 mils	2080 mils
FP1: GB 0461 0132 to FP16: GB 0452 0103	M68/AN-PEM1/PAQ4/PEQ2A	Laser Aiming Devices	N/A	N/A

SECTION IV, LIVE FIRE EXERCISES Attach the following:

- ☑ **Scenario of training to be conducted:**
- ☑ **Sketch of area:**
- ☑ **Risk Assessment:**
- ☐ **Attach FB Form 350-19-2-E-R if Mortar or artillery is being fired:**

SECTION V, NON-LIVE FIRE TRAINING

Training area(s) to be occupied:

- ☐ **Scenario of training to be conducted:**
- ☐ **Sketch of area(s) to be occupied:**
- ☐ **Risk Assessment:**

Name/rank of requesting officer:

Kenneth L. Whitehead, GS07, Survey Technician

Name/rank of Major Unit S3/Commander:

Brad S. Tesch, GS12, Chief of Range Operations

SECTION VI, FOR RANGE DIVISION USE **DATE:** 15 MAR 12

TO: Range Operations Fort Benning, GA. 31905	**FROM: Range Division, Directorate of Plans, Training, Mobilization and Security Fort Benning, GA 31905**

a. Roadblocks to be closed: See Roadblock Enclosure.

b. Road(s) to be closed/road barrier locations:

c. Remarks: Laser Warning signs will be posted prior to opening the range. Range safety Briefing will include hazards using Lasers and NVD's.Unit must have an approved risk management worksheet.

d. This approval expires: Indef

Chief, Range Division
Directorate of Plans, Training, Mobilization and Security

DEPARTMENT OF THE ARMY
INSTALLATION MANAGEMENT COMMAND
SOUTHEAST REGION, GARRISON COMMAND
35 RIDGEWAY LOOP, ROOM 385
FORT BENNING, GEORGIA 31905

REPLY TO ATTENTION OF

IMSE-BEN-PL

14 March, 2012

MEMORANDUM FOR Director, Plans, Training, Mobilization and Security, U.S. ARMY GARRISON, Fort Benning, Georgia 31905

SUBJECT: Qualification, Field Fire, NBC Fire, Burst Fire, Night Fire, Alt Firing Positions (Standing, Kneeling, and Prone with Barricades), on Oscar 3 (Copple Range).

1. **Purpose:**

The purpose of this memorandum is to outline the training concept and scenario for Marksmanship training on Oscar 3 (Copple Range) using live ammunition. The training will familiarize Soldier's on firing techniques relative to combat conditions in the contemporary operating environment, firing realistic training scenarios from existing firing points and targets arrays with live munitions. During the execution of training, Soldiers will train on the following task.

- Combat Familiarization Fire (CFF) (ARM 6 Barrier Shoot).
- Fire from the standing, kneeling and prone.
- Fire over and around Barricades (4'x 8' plywood wall).
- Qualification

2. **Concept:**

a. **(CFF)**: Fire from existing firing point with M16/M4 rifle. Barricades will be placed centered on the firing point. Firing orders will move to their firing points at the low ready. Soldiers will start the engagement in the Kneeling position and will adjust positions and shoot around barricades as directed throughout the scenario. At no time will there be more than one firer per firing point on this range. There will be no Lateral Movement at any time on this range. Soldiers will only fire in his/her Lane. When firing the standard qualification tables, barricades will be removed.

b. **Fire Standing, Kneeling and Prone**: Will be executed IAW FM 3-22-9 chapter 7. Soldiers will fire from firing points at existing targets in their firing lane. Soldiers will determine the firing position that offers the best chance of killing the target. Soldiers will conduct load fire reduce stoppage, magazine changes, and target engagement during this iteration.

c. **Fire over and around Barricade**: Will be executed IAW FM 3-22-9 chapter 7. This firing technique trains the Soldiers on the firing positions used in an urban environment. Soldiers will fire from firing points at existing targets in their firing lane. Soldiers will determine the firing position behind a barricade wall that offers the best chance of killing the target without exposing the Soldier to killing fire. Soldiers will conduct load fire reduce stoppage, magazine changes, and target engagement during this iteration.

d. **Qualification, ARM 3 (Day), ARM 3N (Night)** : Soldiers will train and fire under controlled conditions at all times. Soldiers will familiarize with the Close Combat Optic (CCO), Infrared Laser Device (PAQ 2, 4, 15), and NVG's (ANPVS14), to engage targets during the day and night. During the day portion of the training, a tower official gives all firing commands. During the night portion, a firing point official gives firing commands with the tower official acting as overall safety. Soldiers will fire from fixed firing points in the prone supported, prone unsupported and kneeling firing positions. The Soldiers are instructed when to load their weapons, and when to engage targets. At the conclusion of the exercise, the Soldiers will lock and clear their weapons. (**See Weapons Clearing Procedures at Paragraph 4-23, 1-5**)

3. **Scenario:**

a. **Pre-Live fire:**

1. User unit detail arrives prior to main body.

2. Detail conducts range set up in preparation of the arrival of the main body to include positioning of barricades IAW Barricade positioning Diagram.

3. Main body arrives and organizes in staging area (Bleachers).

4. Soldiers are given a range orientation/safety brief (Bleachers).

5. Soldiers are instructed on proper firing techniques from the standing, kneeling and prone positions to include barricades.

b. **Sequence of Training:**

1. Units will break Soldiers down into firing orders.

2. Soldiers will file to the ammunition point and draw 3 x 10 round magazines of ammunition.

3. Soldiers will move to the base of the tower to enter the range and move to their assigned firing point. Safeties will rod all weapons at the base of the tower. (**See Weapons Clearing Procedures Paragraph 4-23, 1-5**)

4. Soldiers will be instructed by the tower to take up a kneeling firing position and lock and load there 1st 10 round magazine.

5. After firing the 1st 10 rounds of ammunition Soldiers will be prompted to take cover behind the barricade and take up a good barricade firing position.

6. Soldiers will fire 10 rounds from his second magazine behind the barricade from either the Kneeling or standing position.

7. After firing from the barricade Soldiers will be prompted to assume prone position behind the barricade and fire the remaining 10 rounds in his 3rd magazine.

8. When firing the standard qualifying scenario (40 rounds) units will use the center of the platform to conduct Field Fire.

c. **Post live fire training:**

1. Soldiers will receive feedback/score and retraining as necessary.

2. Soldiers receive a brass and ammo check by their chain of command.

3. All Soldiers, weapons, ammunition and dunnage will be accounted for prior to the departure from the training area.

4. **Safety Measures**

1. All Soldiers will have the appropriate safety equipment on (eye/ear protection, body armor, and helmets) prior to firing on the range.

2. All live ammo will be kept separate from all other ammunition at all times to prevent mixing with Live and Dummy.

3. All Soldiers will receive in a safety briefing/orientation on the scenario and a demonstration on the proper engagement techniques using barricades.

4. Prior to firing, cadre will conduct weapon and ammo inspection to ensure no unauthorized munitions are being used.

5. Cadre will conduct a brass and ammo check prior to Soldiers entering and leaving the range.

6. A Combat Lifesaver with a designated covered vehicle will be on site at all times.

7. The OIC will monitor Range Control net at all times during execution of training and will request opening/closing codes.

8. Soldiers will be briefed on cease-fire procedures during the range in-brief. Additionally cadre will relay any/all cease fire signals applicable if they witness an unsafe act. Anyone on the range that see's an unsafe act can call a cease fire.

9. RSO will have his RSO card present and only perform duties as the Range Safety Officer.

10. Laser warning signs will be posted on the range prior to the use of Lasers.

11. See attached sketch for proper positioning of Barricades and authorized firing positions. **(See Enclosure #1and #2)**

12. If Overhead cover is on the firing point, Soldiers will not fire from the overhead cover supporting beam.

13. After all rounds are fired; Soldiers will be directed to ensure their weapons are on SAFE, prior to getting up and moving at the low ready. They will then move to the clearing barrel at the base of the tower and conduct clearing barrel procedures. A one piece brass clearing rod will be used to clear muzzle obstructions and if a clearing barrel is not on the range safeties will rod all weapons prior to Soldiers leaving the firing line. **(See Paragraph 4-23, 1-5 Weapons Clearing Procedures)**

14. RSO will suspend all firing if a malfunction causes damage to a weapon or injury to personnel and will notify Range Control and QASAS at 544-7490/7489.

15. Ammunition detail will load three 10 round magazines per Soldier with 1 dummy round placed in each magazine to induce an unannounced malfunction.

16. All Soldiers will be briefed on the procedure when finding unexploded munitions (duds) on the range.

17. Laser hazards will be included in safety briefing.

18. No one moves downrange at any time.

19. **Incident:** When an incident occurs on the range, regardless of injury or not, the OIC/RSO will immediately call a cease fire and report it to Range Control and the using unit's higher headquarters. OIC/RSO will take action as directed by Range Control. The cease fire will remain in effect until the problem is resolved and cleared through Range Control. If the incident results in an injury, the OIC/RSO will use the procedures outlined in the medical paragraph. The following information will be furnished by the OIC/RSO to Range Control:

a. Designation of unit.
b. Range and location
c. Type of weapon involved.
d. Type of ammunition involved.
e. Brief summary of what happened.
f. Personnel injuries and extent.
g. Full Name, SS#, Rank and unit of injured personnel.
h. Extent of property damage.

i. Intentions regarding an AR 15-6 investigation.

20. Unit will maintain continuous contact with Range Control at all times. If communications are lost the unit will go into a self induced check fire until communications are restored.

21 **Medical:** In the event of an accident, injury or illness, the OIC/RSO will immediately call a cease fire then call 911 using the standard 9 Line MEDEVAC to determine what type of evacuation is the most appropriate for the injury (loss of life, limb or eyesight). MEDEVAC will be IAW MCoE Regulation 350-19 and USAIC 40-2. Landing zone for MEDEVAC aircraft will be established prior to use and will be marked appropriately. Range Control will be notified in this event. The cease fire will remain in effect until cleared through Range Control.

22. **Weapons/Ammunition Malfunction Reports**: When a malfunction is experienced, the OIC/RSO will suspend all firing and immediately notify Range Control. The weapons and all components and ammunition involved will remain in place. The cease fire will remain in effect until cleared through Range Control. An investigation is required and will be conducted by the ammunition and weapons inspection personnel and DOL.

23. **Weapons Clearing Procedures**:

1) All Soldiers will have their rifles rodded with cleaning rod or similar device before entering live fire ranges and proceeding to their firing positions by qualified range safety.

2) Upon completion of Soldier's firing exercise and before leaving the firing position the Soldier will have his weapon visually inspected/cleared by a qualified range safety. This person cannot be a Soldier in a training status.

3) The Soldier will then proceed off the firing line to the clearing barrel where he will dry fire his weapon IAW published procedures.

4) Before exiting the range, the Soldier will then have his weapon rodded with cleaning rod or similar device by a qualified range safety.

5) Once off the range Soldiers will be contained in a small assembly area where a full ammunition and brass check will be conducted by the Range Safety Officer before being released back with the remainder of the Soldiers on the range.

24. **Units Must have an Approved RMWS signed off by Post Safety prior to use of this range and on file at Range Operations (Survey Section).**

25. **There will be no deviations to this packet without prior approval from Range Control**.

26. POC for this exercise is the undersigned at 544-6385.

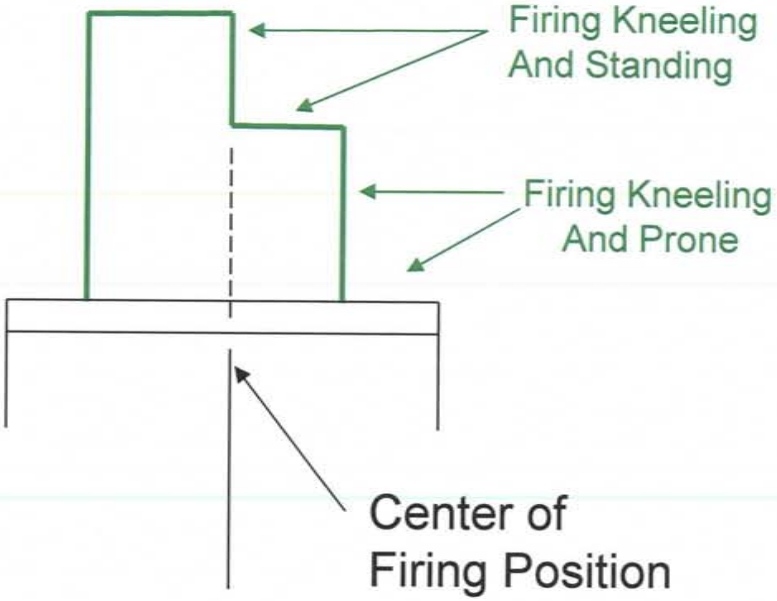
Brad S. Tesch

BRAD S. TESCH
GS12, Chief of Operations
Range Division

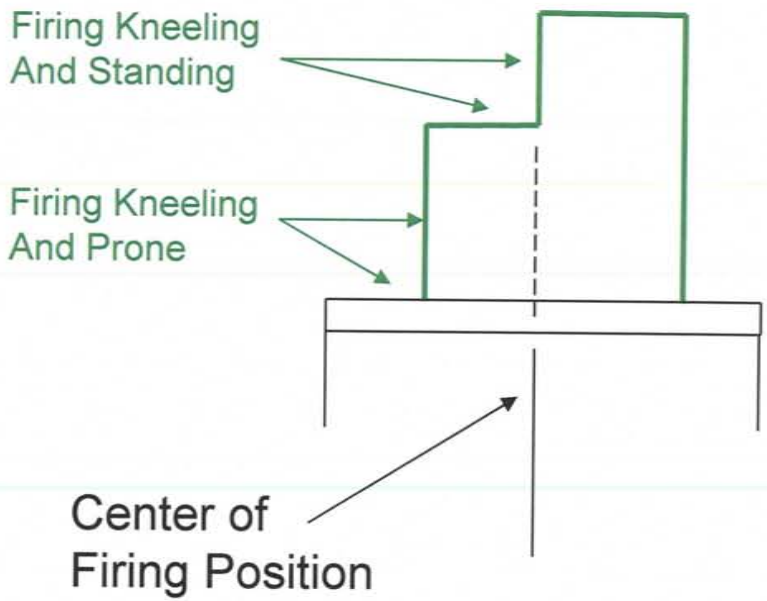
Placement of Stationary Barricades on Oscar 3 (Copple Range)

Enclosure #1

Position of Barricade for a right-hand firer



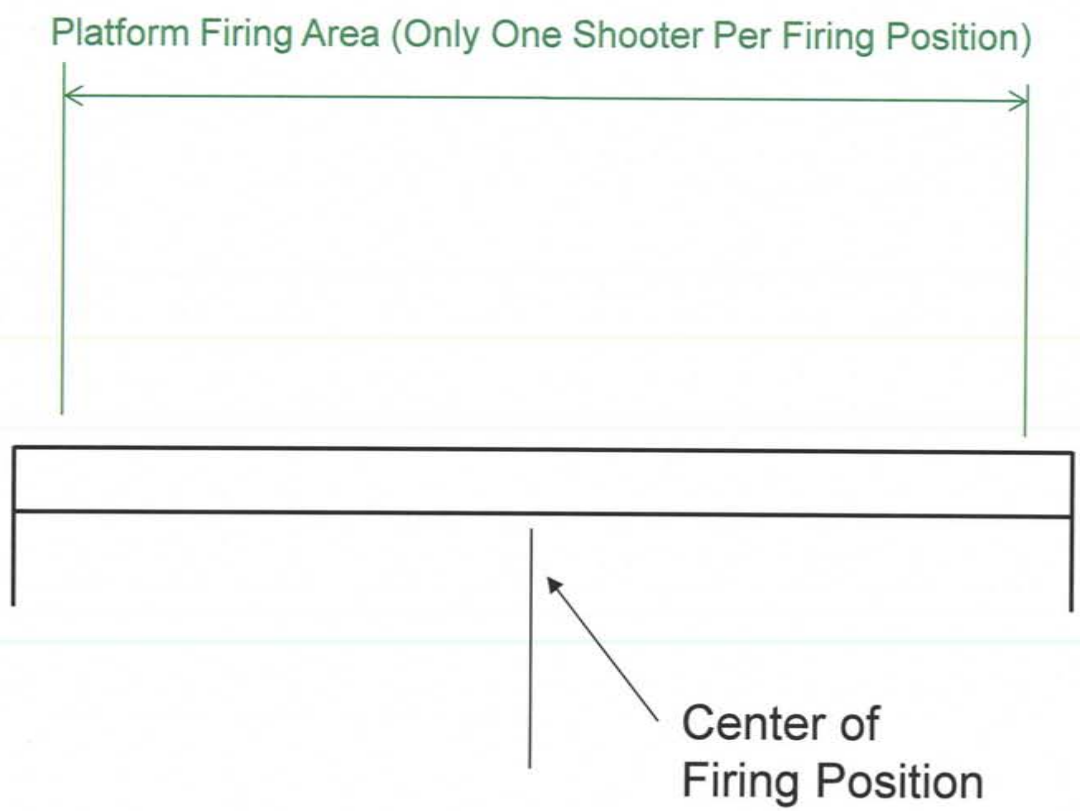
Position of Barricade for a left-hand firer

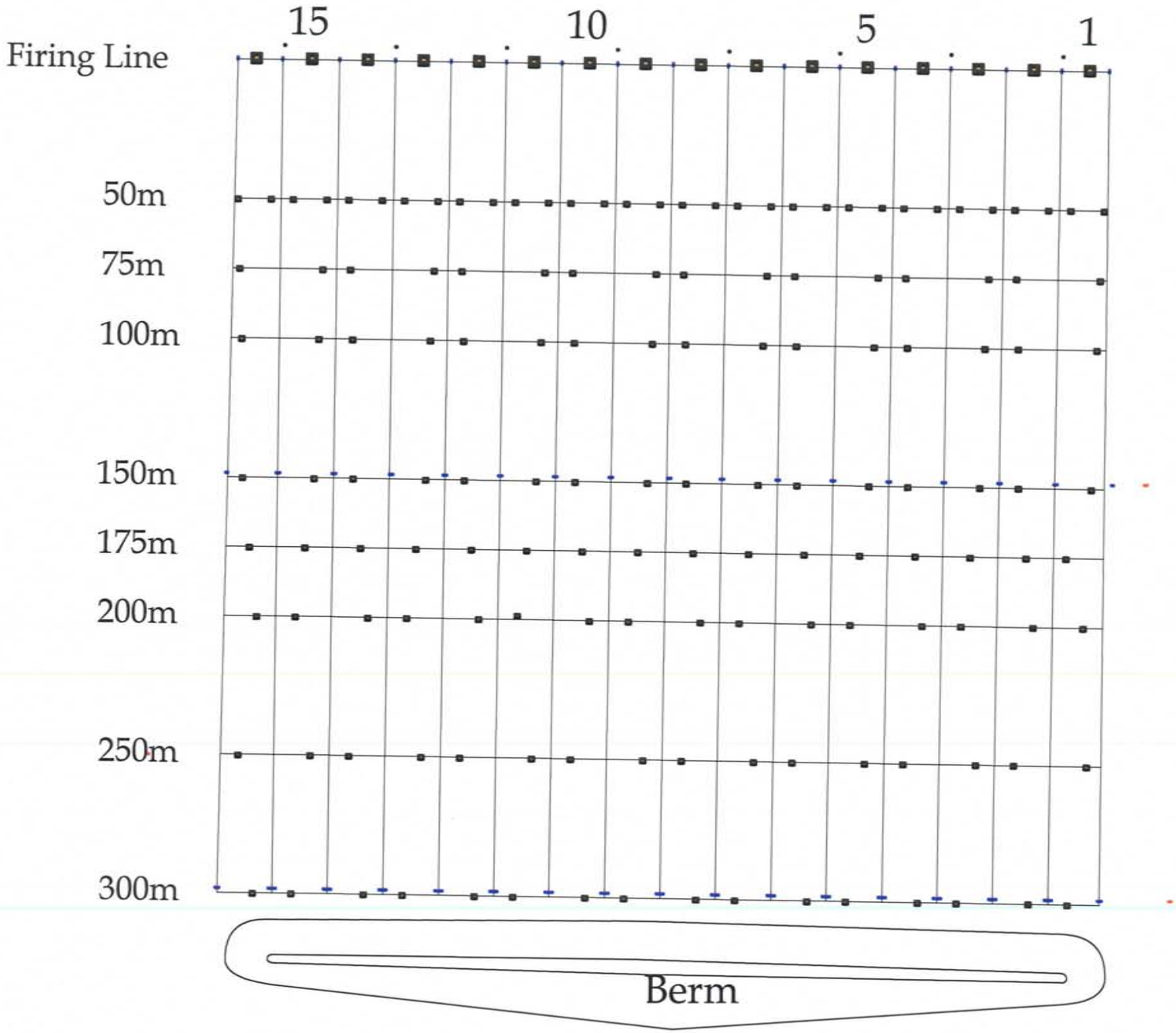


Note! Only One Shooter Per Firing Position

Positions of Platforms when Firing on Oscar 3 (Copple Range)

Enclosure #2





Oscar 3 (Copple) MRFR

Oscar 3 (Copple) Log #2-7-11 Area Roadblocks 12 Jan 2012

#	GRID	LOCATION	TYPE
O-1	GA 047 998	Across unnamed trail 30m E of its intersection with Midwest Rd.	Gate
O-2	GA 052 993	Across unnamed trail 30m E of its intersection with Midwest Rd.	Gate
O-3	GA 058 988	Across Engineer Trail 40m E of its intersection with Midwest Rd.	Gate
O-4	GA 062 983	Across unnamed trail 20m E of its intersection with Midwest Rd.	Cable/Gate
O-5	GA 063 979	Across unnamed trail 10m E of its intersection with Midwest Rd.	Cable/Gate
O-6	GA 092 980	Across unnamed trail 10m W of its intersection with Lorraine Rd.	Cable/Gate
O-7	GA 097 995	Across Engineer Trail 30m W of its intersection with Lorraine Rd.	Gate
O-8	GB 112 006	Across Beaumont Trail 20m of its intersection with Moore Rd.	Cable/Gate
O-9	GA 101 962	Across unnamed trail 10m E of its intersection with Lorraine Rd.	Gate
O-10	GB 107 025	Across unnamed trail that runs parallel to Range Oscar 15 (Pool North) 10m E of its intersection with the range entrance road.	Cable/Gate
O-11	GB 100 022	Across unnamed trail 20m S of the backstop berm on the right side of Range Oscar 15 (Pool North).	Cable/Gate
O-12	GB 093 028	Across Beaumont Trail 20m S of the backstop berm on the E side of Range Oscar 13 (Soto).	Cable/Gate
O-13	GB 075 026	Across unnamed trail on the E side of Range Oscar 9 (Pulaski).	Cable
O-14	GB 074 025	Across unnamed trail 30m S of the backstop berm in the center of Range Oscar 9 (Pulaski).	Cable
O-15	GB 071 025	Across unnamed trail 30m S of the backstop berm on the W side of Range Oscar 9 (Pulaski).	Cable
O-18	GA 093 979	800m N of Ware Rng Entrance on right side of Lorraine Rd	Gate

RECORD OF ENVIRONMENTAL CONSIDERATION (REC)

Date Submitted: 11/2/2011

EMD Number: 1130603 **Project#:** Unknown **Project Title:** Basic Rifle Marksmanship and Advanced Rifle Marksmanship Training

Description of proposed action:

Range will be used to conduct basic and advanced rifle marksmanship training.

Project Location:

Oscar 3 Range (SFC E.L. Copple)

Amount, Description, Location of Disturbance/Digging:

None

Number of Personnel:

220

Type of Ammunition:

5.56mm Ball/Tracer Live

Number/Types of Trees:

None

Size of Project Area: N/A

Duration of Action: Start: 11/7/2011 Stop: 9/30/2012

Proponent: Ken Whitehead 706-544-6267

Organization/Unit: Range Operations

Number/Types of Vehicles:

None

****

DECISION: Concur with conditions

This Action is adequately covered in the Existing EA titled: 'Ongoing Mission and siting Activities, USAIC, FT.Benning, GA.'

(NA): Training involving LIVE FIRE and tracked vehicles has NO CATEX -- "Ongoing Mission and Siting Activities, USAIC, Ft. Benning, GA."

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REC APPROVED THROUGH 30 SEPTEMBER, 2012

Noise **Conditions:** **Ellis Leeder (706 545 2400), 11/4/2011**

This is training operations that must be conducted. If there is any noise complaints received, the Environmental Management Division Installation Operational Noise Monitoring Program (IONMP) and or Public Affairs Office (PAO) programs will investigate and then recommending operational noise mitigation actions to the appropriate personnel for the training actions. In accordance with the Army's policy on environmental noise management, all efforts shall be made to minimize noise annoyances to the highest extent practicable with training operations without interfering with the proposed missions. Please follow the fly friendly program avoiding no fly zones. Please follow good smoke management practices not allowing smoke or dust to travel off Installation boundary into public areas or roads. Please increase distance between vehicles when dust conditions are extreme, see Table 5-3. CS gas use should be utilized in designated areas only, contact Range Control for a listing of approved sites. If any assistance or a copy of MCoE Regulation 350-19 or the IONMP noise plan is needed for review, please feel free to contact Ellis Leeder at 706.545.2400 or email ellis.p.leeder.civ@mail.mil or visit the Range Control Website for the updated version of MCoE Regulation 350-19

Natural Resources - RCW **None** **Michael Barron (706 544 7080), 11/2/2011**

EMD Number: 1130603 **IJO#** Unknown **Project Title:** Basic Rifle Marksmanship and Advanced Rifle Marksmanship Training

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CWA - Training **Conditions:** **Jessica Taylor (706-604-4572), 11/4/2011**

Environmental Review: Caution within training areas and motor pools should be taken to protect all nearby waterways (including perennial, intermittent streams and wetlands); as well as ground surfaces and any other sensitive areas in the vicinity of the training areas. Potential spills/releases from this activity that may occur before and/or during the FTX include: 1. Discharge and/or improperly disposal of oil or hazardous substances into or upon land, water, or into ground water areas from storage, handling and/or transportation of hazardous materials/waste; 2. Vehicle/equipment/generators leaks; 3. Fuel loading/unloading/refueling operations; 4. Field mess facilities/equipment/operations, and/or 5. Ammunitions /explosives (as applicable, before and/or during the FTX).

General SPCC Requirements: Ensure all hazardous materials are properly storage to prevent spill/discharges, to meet safety requirements for storage, and that containers are not exposed to the weather. Have adequate spill response supplies available during exercise for any spills that may likely occur. Use drip pans under vehicles and provide secondary containment for any fueling activities and hazardous material/waste storage. Locate all refueling operations and storage of hazardous materials/waste away from waterways and sensitive areas. See attached section on prevention procedures and CHECKlist (Figure 6.9.1) to be used during training exercise to comply with SPCC plan requirements. Ensure all wastewater from field mess equipment/operations particularly those involving oil/grease are collected and dispose properly. Do not discharge any wastewater into storm drains or dispose of oil/grease waste directly into land.

General ISCP Requirements: In the event of a spill/discharge -- notify Range Control by radio or call 544-6291, and they will notify E-911 for Fire Department/HAZMAT Team assistance and/or notification of the EMD office (Spill Beeper 706-317-6584). As appropriate, and if personnel are trained – REACT to minimize spill damages. Submit a spill report to the EPMB Spill Program Manager (use Spill Response Report attached). All spills reaching navigable water must be reported immediately. The unit is responsible for the final cleanup of any spill during this exercise. Coordination with this office is required for clearance of the site.

SPECIAL NOTE: See 2010 ASP SOP Training and Deployment.doc for further training requirements.

Hazardous Materials/Waste **Conditions:** **Dudley Carson (706 545 7570), 11/2/2011**

Considerations for Field Training Exercises and Range Operations
1. Appropriate precautions must be taken to prevent hazardous material spills. Have adequate quantities of spill response supplies on hand. If a spill occurs use notification procedures as outlined in the Fort Benning Hazardous Waste Management Plan. Contain and clean up spill according to guidance provided by the Environmental Protection Management Branch. Any waste generated must undergo a waste stream analysis to determine appropriate management requirements. If any hazardous waste is generated it must be managed in accordance with Federal, State, Army and Fort Benning regulations.
2. Ensure personnel know the correct procedure for handling misfires at the range:
-Closed containers (ammunition can marked 'MISFIRES") will be used for the collection of misfires at each firing range.
-The MISFIRE container will stay closed except to add or remove misfires.
-Misfires SHALL NOT BE COLLECTED in any open container or cardboard box.
All excess, unused munitions (including smoke canisters) must be returned to the Ammunition Supply Point (ASP) after the range operation is complete. Defective, misfired, or otherwise unserviceable munitions may be destroyed on the range, as part of the training exercise, in coordination with EOD.
A dud shall not be removed from the range; it will be marked, called into range control and will be properly disposed of by EOD personnel IAW/MCOE Reg 350-19, dated 23 July 2010.
3. Rubbish, empty containers and other waste shall be removed from the training area after the exercise. Contact EPMB for detailed information on the proper disposal of waste products resulting from the exercise.
4. Contact POC for questions or additional guidance.

Signature John E Brown

John E Brown
NEPA Program Manager
Date 7 NOV 2011

Signature Chris Hamilton

Christopher E. Hamilton, PhD
EPMB Chief
Date 7 Nov 11

Example Unit/Activity SOP for Training and Deployment

Introduction

This SOP is divided into two main sections: PREVENTION & RESPONSE. The following sections will assist you in planning your environmental activities while bedding down, initiating, sustaining and conducting field exercises, and/or during deployment. Before you deploy, ensure you are familiar with the following:

What Are Hazardous Materials and Hazardous Wastes

Hazardous Materials are defined as any material that may be a health or physical hazard, or any material that, based on either chemical or physical characteristics, is capable of posing a risk to human health or the environment if improperly disposed of, handled, stored, or transported. Chemical and physical characteristics that may pose a risk to human health or the environment include, but not limited to, one of the following characteristics: Ignitable; Corrosive; Reactive and/or Toxic.

Hazardous Waste: is defined as any discarded material (solid, liquid or gas) that:

1. Has no further value and cannot be reused or recycled;
2. Is harmful to human health or the environment due to its quantity, concentration, biological, chemical or physical characteristics; and/or
3. Exhibits one or more of the characteristics as described for Hazardous Material.

Contaminated or unusable fuel is a typical hazardous material/hazardous waste common to training and deployment operations and should be handled, stored, and disposed of properly.

Ten of the most common hazardous materials/hazardous wastes that you will encounter during training and or deployment operations include:

- Fuel
- Engine Oil
- Bleach or DS-2
- Solvent
- Anti-Freeze
- Transmission Fluid
- Used Oil Filters or Batteries
- Empty POL Containers
- Brake Fluid
- Grease.

These materials should be handled, stored and disposed of properly.
SPILL KITS: Spill kits should be maintained in and around all locations where hazardous materials/hazardous wastes are stored, handled, or disposed. Various types of kits may be ordered through the U.S. Army Supply System and include: rubber gloves, safety goggles, putty, rubber mallet, wooden plugs, absorbent booms, absorbent pads, plastic bags, and in some cases, a disposal barrel.

SPILL PREPARATION: Despite the best prevention, you may run into difficulties and an accident may occur when you least expect it. To minimize contamination, hazards to people, and environmental damage, you must REACT immediately. To help you prepare, this SOP will tell you:

- **HOW to PLAN** and be ready to respond to a problem;
- **HOW to REACT** to a minor, intermediate or major spill; and
- **WHAT** to do after a spill occurs.

Planning

MINOR SPILLS

- When on the move, keep some plastic bags in your vehicle, and have your assigned On-Vehicle Equipment (OVE) ready for use.
- Maintain supplies, rags, absorbent pads, or other kinds of materials that will soak up spills on hard surfaces (like Dry Sweep), or know where you can easily obtain them.
- Keep Personal Protective Equipment (PPE) accessible (gloves, goggles, etc.).

INTERMEDIATE & MAJOR SPILLS

In addition to the procedures above:

- Know where to go for help.
- Know where spill kits are kept and learn how to use them.

Prevention

Vehicle Maintenance and Fueling Points, Hazardous Waste Collection Points and hazardous material Storage & Supply Areas may not be set up at your deployment destination. So PLAN to build your areas to prevent hazardous material accidents before they occur. Remember the following:

HAZARDOUS MATERIAL/HAZARDOUS WASTE AREA LOCATION - Locate hazardous material/hazardous waste areas away from living areas, bunkers, ammunition storage, fence lines and/or dining facilities. Place them near the areas where hazardous material are used.

MATERIAL SAFETY DATA SHEET (MSDS) - Keep MSDSs for each hazardous material stored or collected at hazardous material/hazardous waste areas.

UNIT/ACTIVITY ENVIRONMENTAL SOP & SPILL RESPONSE PLAN - Place SOP and Spill Response Plan at each hazardous material/hazardous waste area.

COMPATIBILITY OF MATERIALS - Store and/or dispose of each class of hazardous material/hazardous waste separately. MSDSs describe the classification of HMs. Four common classification include the following: Flammable (fuels), Corrosives (acids), Reactive (explosives), and Toxic (insecticides).

BEFORE you deploy, plan to pack drip pans, rags, plastic, Dry Sweep, absorbent, and spill pallets to prevent drips, spills, and leaks from seeping into the ground and contaminating soil and water resources.

SECONDARY CONTAINMENT - All liquid hazardous material/hazardous waste must have secondary containment. In order for it to be effective it must:

1. Hold 10% of the total hazardous material/hazardous waste stored or 100% of the largest container.
2. Have sand and/or pallets placed in certain areas to protect the liner.
3. Have overhead cover.

You should continually keep your hazardous material/hazardous waste areas clean and orderly by applying the principals of Monitoring and Housekeeping. An easy way to remember what to check, is

to remember your **CHECK** list:

Containment:

___Ensure that secondary containment is used and in good condition.

___Empty water within secondary containment on a regular basis and dispose of it as hazardous waste at the Hazardous Waste Collection Point.

Hazardous Material/Hazardous Waste locations:

___Make sure the locations of your hazardous material/**hazardous waste** are well chosen.

___Put up warning signs and keep them clean and orderly.

Environmental Documentation:

___Maintain MSDSs for each hazardous material and update Unit/Activity SOPs and Spill Response Plans regularly.

Containers:

_____Check condition of containers and keep containers of incompatible materials in proper order.

Kits:

_____Place Spill Kits, First Aid Kits, and Emergency Response Kits in the vicinity of the hazardous material/hazardous waste areas.

See Appendix D of the ASP for specific CHECKlists for areas such as: Vehicle Fueling & Maintenance Areas; Hazardous Waste Collection Points; and Hazardous Material Supply & Storage Areas.

Response

Be prepared to respond immediately to any spill situation. Keep your Environmental SOP and Spill Response Plan (SRP) readily available at the main hazardous material/hazardous waste areas. The SRP should ensure that the following measures are implemented:

- PERSONAL PROTECTIVE EQUIPMENT (PPE) - At the entrance of every hazardous material/hazardous waste area, keep a supply of PPE to protect hands, eyes, skin, ears, head, feet, and lungs. If you are unsure about which items you need, consult the MSDS for the HMs that you are using.
- MSDS - Make sure that MSDSs are available in order to REACT to spills safely and effectively.
- SPILL STATIONS - Maintain spill response equipment at a station near (not inside of) hazardous material/hazardous waste areas. They should contain: First Aid Kits, Fire Extinguishers, Spill Response Kits, and Emergency PPE.
- TRAINING - Improve your readiness by practicing the SPILL DRILL on a regular basis, and be sure to know the spill reporting process.

Respond to spills, major or minor, immediately in order to eliminate hazards that could cause personal injury and/or environmental damage. If assistance is required, or spill/release is major, immediately call **911 or the Fort Benning Military Police (MP) Desk**.

In any spill situation:

1. Safety First! -- Protect yourself by using PPE, including goggles, gloves, and suits. THEN...
2. Do the SPILL DRILL -- **REACT**:

REMOVE THE SOURCE: Plug the drip or leak and stop the spill.

ENVELOP THE SPILL: Place absorbent booms around the spill area, or build an earthen dam, when appropriate, around the spill.

ABSORB/ACCUMULATE: Place appropriate absorbent material (Dry Sweep, pads, etc.) on the spill in the middle of the boomed-off area.

CONTAINERIZE THE HAZARDOUS WASTE: Use a shovel to place contaminated materials (including soil, booms, pads or other materials) in a plastic bag or a waste drum.

TRANSMIT A REPORT: If a spill is too large to handle alone, - REACT as best you can and get help!

See Appendix D of the ASP for specific REACT actions for spills involving:

- **Minor Spills** (20 gallons or less);
- **Intermediate Spills** (from 21-55 gallons); and
- **Major Spills** (more than 55 gallons), or any spill into water, where injuries occurred or where spills occurred off Fort Benning associated property.

In addition:

- Prevent hazardous material from entering storm sewers and waterways;
- Minimize impacts to vegetation and wildlife; and
- Notify proper personnel and maintain record of spill event.

Acronyms are defined in the ASP Table of Content

APPENDIX H

Spill Kits and Response Material Checklists

Summary Spill Kit and Response Material Checklist

Recommended Spill Kits for Unit/Activity Motor Pools, Aircraft Hanger Areas, and all POL Field Sites

Recommended Spill Kits for Fuel Carrying Vehicles

Recommended Spill Kits for Other Military Vehicles

Vehicles Transporting Hazardous Materials other than POL

Summary Spill Kit and Response Material Checklist

Spill Kits and Response Material	Primary Contents
Spill kits should be maintained in and around all locations where hazardous material and hazardous waste are stored, handled, or disposed. The contents of a spill kit will vary depending on the hazardous materials and their characteristics. Hazardous materials other that POL will require spill kits to meet their specific requirements, (i.e., acid spill kit for Battery Shop that handles lead acid batteries).	**Spill kits** should include as a minimum: ✓ Rubber gloves, ✓ Safety goggles, ✓ Putty, rubber mallet, ✓ Wooden plugs, ✓ Absorbent booms, ✓ Absorbent pads, ✓ Plastic bags, and ✓ In some cases, a disposal barrel.
The Unit/Activity must check the material's MSDS for specific information on PPE and spill supplies.	Units/activities **transporting hazardous materials** should also plan for having a minimum amount of response materials on hand. ✓ Various types of kits can be ordered through the U.S Army Supply System (through the Units supply or S-4 shop); ✓ The Unit/Activity must assess their hazardous material inventory and plan to have enough spill response material to respond to the larger container within their facility and the minimum for any specific hazardous material that require specific spill materials or PPE; and ✓ Whenever the Unit gets to this minimum level, the user should initiate a reorder to the supply NCO or S-4 to maintain the minimum amount on-hand.

Acronyms are defined in the ASP Table of Contents

Recommended Spill Kits for Unit/Activity Motor Pools, Aircraft Hanger Areas, and all POL Field Sites

30-Gallon POL Boom Kit: Absorbs Approx. 40 Gallons
Polyurethane 2 Rolls
55-Gallon POL Kit: Absorbs Approx. 40 Gallons
1 55 Gallon Drum
2 Bags Absorbent
6 Booms 2x10
50 Absorbent Pads
10 Heavy Duty Trash Bags

Recommended Spill Kits for Fuel Carrying Vehicles

It's recommended that all fuel carrying vehicles should have a transportation pack spill kit or equivalent spill equipment on board at all times. The following vehicles are considered to be fuel transporting vehicles: HEMITT M971 2500 gallons, Tanker 5000 gallon, M49C 1200 gallon, Tank and Pump unit 600 gallon.

The following is a list of the minimum level of spill equipment recommended to be on hand in all fuel carrying vehicles, especially if they are traveling within the Installation or in a filed exercise.

Drip Pan
30-Gallon POL Kit: Absorbs Approx. 20 Gallons
1 30 Gallon Drum
1 16 pound bag Absorbent
3 Booms 2x10
25 Absorbent Pads ~17xl9
5 Heavy Duty Trash Bags
1 Dust Pan

Recommended Spill Kits for Other Military Vehicles

Recommended on Vehicle Equipment (OVE) for small spills (usually from vehicle leaks):

1 drip pan
4-5 absorbent pads
1-2 plastic bags.

Additional Materials or Equipment

For each one of these recommended spill kits, the following should be available:
PPE such as: Goggles and Gloves. (2-3 pairs)
1 Shovel
2 Labels for wastes
1 Spill report
1 Inventory

Vehicles Transporting Hazardous Materials other than POL

- ✓ Transportation of hazardous materials is regulated under the Department of Transportation. Personnel transporting hazardous materials must follow all DOT requirements.
- ✓ As a preventive measurement, vehicles transporting small amounts of hazardous materials or waste should have a transportation pack spill kit or equivalent spill equipment on board to REACT in the event of an incident.

- ✓ Hazardous Materials other that POL will require spill kits to meet their specific requirements. The Unit/Activity should check the MSDS for the materials that they transport and have appropriate amount for those particular materials.

Spill Response Record

PHASE I-IMMEDIATE ACTIONS FOR EVALUATING AND REPORTING SPILLS:

IMMEDIATELY REPORT ALL SPILLS TO YOUR SUPERVISOR AND/OR CALL 911 or the Fort Benning Military Police (MP) Desk

***BE PREPARED TO PROVIDE THE FOLLOWING INFORMATION TO THE 911 OPERATOR:*

During Duty Hours also Call Mr. Felix Seda, EMD Spill Manager at (706) 545-9879

1. DATE/TIME OF SPILL: _____ / _____
2. LOCATION: _____
3. MATERIAL SPILLED (include NSN and ingredients, if able): _____
4. HAZARD: FLAMMABLE _____ TOXIC _____ CORROSIVE _____
   OXIDIZER _____ REACTIVE _____ UNKNOWN _____
   OTHER (Specify) _____
5. CAUSE OF SPILL: _____
6. DESCRIPTION OF SPILL QUANTITY, SIZE AND TYPE OF AREA AFFECTED:
   a. Quantity Released and Size of Spill Area: _____
   b. Soil: _____
   c. Pavement: _____
   d. Vegetation: _____
   e. Storm of Sewer Drain: _____
   f. Name of body of Water (River, Creek, Pond, Lake, Drainage Ditch): _____
7. HAS RELEASE BEEN STOPPED? _____
8. HAS RELEASE BEEN CONTAINED? _____
9. DID RELEASE CROSS INSTALLATION BOUNDARIES: (IF YES, DESCRIBE LOCATION): _____
10. TYPE AND EXTENT OF INJURIES, IF ANY: _____

*****Provide a copy of this form to DPW EMD Spill Program Manager or FAX to (706) 545-4209***

PHASE II — POST-SPILL RESPONSE AND CLEAN UP ACTIONS:

11. DESCRIBE CLEAN-UP METHOD AND CONTAINMENT PROCEDURES: _____
12. NAME OF CONTRACTOR INVOLVED IN CLEAN-UP: _____
13. ESTIMATED AMOUNT OF SPILL RESIDUE AND CONTAMINATED MATERIAL REMOVED: _____
14. ESTIMATED COST OF CLEAN-UP: _____
15. CORRECTIVE ACTION TAKEN OR TO BE TAKEN TO PREVENT FUTURE SIMILAR INCIDENTS: _____
16. NAME AND PHONE NUMBER OF PERSONNEL REPORTING SPILL: _____

*****KEEP THIS FORM FOR A MINIMUM OF 5 YEARS***

FORT BENNING ENVIRONMENTAL REGULATIONS SUMMARY

RED-COCKADED WOODPECKER (RCW): Cavity trees are identified by two white bands. Cluster boundaries extend 200 feet around each cavity tree, and are delineated by diamond-shaped signs. **WITHIN a cluster:**

- Personnel MAY NOT stay for more than 2 hours; NO BIVOUACS.
- The only digging allowed is BY HAND for hasty defense light infantry fighting positions. ALL other digging is prohibited.
- Within one half mile of a cluster, NO MECHANICAL DIGGING may be done within 20 feet of any mature pine tree (8 inch diameter or greater).
- Off-road vehicles MAY NOT come within 50' of any cavity tree.
- Use only .50cal and 7.62mm (or smaller) blank ammo; NO LIVE FIRE.
- CS gas, HC smoke, and noise generators MAY NOT be used.
- Incendiary devices (including trip flares) MAY NOT be used.
- Only hardwood may be cut for camouflage; CUT NO PINE.

GOPHER TORTOISE: Inhabits burrows in high sandy areas. Some burrows are marked by white 1" PVC pipe topped with reflective tape. Digging and vehicular traffic must be kept more than 50 feet away from burrows.

——————————CUT HERE——————————

ENVIRONMENTAL INCIDENT REPORT FORM

For your protection, company commanders are asked to document any environmental incidents by completing this card and forwarding it to the Chief, Environmental Management Division, Building 6, Room 307, or call 545-2180, within 24 hours of incident. Check off incident and take corrective actions.

____ bivouacking in RCW cluster (Relocate bivouac site.)

____ off-road driving / parking within 50' of RCW cavity tree (Relocate.)

____ digging in RCW cluster [except individual hasty fighting positions] (Refill holes.)

____ scarring or felling of trees in RCW cluster (Contact EMD Conservation Branch through Range Control.)

____ digging or driving in Sensitive Area (Relocate, DO NOT refill holes.)

____ wildfire started (Begin suppression and contact Range Control.)

____ POL spill greater than 20 gallons on land or any quantity on water (Immediately contact Range Control and begin spill control – **REACT**.)

____ POL spill less than 20 gallons on land (Begin spill control - **REACT**; contact Range Control and submit a Spill Report Form to EMD within 24 hours.)

FORT BENNING ENVIRONMENTAL REGULATIONS SUMMARY

SENSITIVE AREAS: Endangered species habitat or cultural resources. They are marked with steel pickets and white signs. Digging and vehicular traffic is prohibited.

POL/HAZMAT SPILLS: Report all spills through Range Control at 545-3474. If assistance is required from the Fire Department/HAZMAT Team, Range Control will make notifications through E-911. For POL spills greater than 20 gallons on land or any quantity on surface water, the Environmental Management Division (EMD) must be immediately notified through E-911 or 545-9879/4203. For POL spills less than 20 gallons on land, a Spill Report Form must be submitted within 24 hours to the EMD (Call 545-9879 and/or FAX 545-4209). After hours call the spill pager at 317-6584.

Unit should begin spill control measurements (REACT) within their capabilities. If a spill occurs within a sensitive area; stop the source, contain, and absorb the spill material - do not dig until EMD personnel arrive at the site.

Be prepared to report:
- Time, grid location, and cause of spill.
- Type of product and amount spilled.
- Distance from flowing water.
- Action taken to combat spill.

See USAIC 210-4, Range and Terrain Regulations, for more detail.

ENVIRONMENTAL INCIDENT REPORT FORM

Unit: _____

OIC/NCOIC: _____

Training Area: _____

Grid Coordinates: _____

Date and Name: _____

Signature: _____

FB (DPW) Form 31, 1 May 2004 PREVIOUS EDITION OBSOLETE

Example Unit/Activity SOP for Training and Deployment

Introduction

This SOP is divided into two main sections: PREVENTION & RESPONSE. The following sections will assist you in planning your environmental activities while bedding down, initiating, sustaining and conducting field exercises, and/or during deployment. Before you deploy, ensure you are familiar with the following:

What Are Hazardous Materials and Hazardous Wastes

Hazardous Materials are defined as any material that may be a health or physical hazard, or any material that, based on either chemical or physical characteristics, is capable of posing a risk to human health or the environment if improperly disposed of, handled, stored, or transported. Chemical and physical characteristics that may pose a risk to human health or the environment include, but not limited to, one of the following characteristics: Ignitable; Corrosive; Reactive and/or Toxic.

Hazardous Waste: is defined as any discarded material (solid, liquid or gas) that:

1. Has no further value and cannot be reused or recycled;
2. Is harmful to human health or the environment due to its quantity, concentration, biological, chemical or physical characteristics; and/or
3. Exhibits one or more of the characteristics as described for Hazardous Material.

Contaminated or unusable fuel is a typical hazardous material/hazardous waste common to training and deployment operations and should be handled, stored, and disposed of properly.

Ten of the most common hazardous materials/hazardous wastes that you will encounter during training and or deployment operations include:

- Fuel
- Engine Oil
- Bleach or DS-2
- Solvent
- Anti-Freeze
- Transmission Fluid
- Used Oil Filters or Batteries
- Empty POL Containers
- Brake Fluid
- Grease.

These materials should be handled, stored and disposed of properly.
SPILL KITS: Spill kits should be maintained in and around all locations where hazardous materials/hazardous wastes are stored, handled, or disposed. Various types of kits may be ordered through the U.S. Army Supply System and include: rubber gloves, safety goggles, putty, rubber mallet, wooden plugs, absorbent booms, absorbent pads, plastic bags, and in some cases, a disposal barrel.

SPILL PREPARATION: Despite the best prevention, you may run into difficulties and an accident may occur when you least expect it. To minimize contamination, hazards to people, and environmental damage, you must REACT immediately. To help you prepare, this SOP will tell you:

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____ digging or driving in Sensitive Area (Relocate, DO NOT refill holes.)
____ wildfire started (Begin suppression and contact Range Control.)
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Signature: _____

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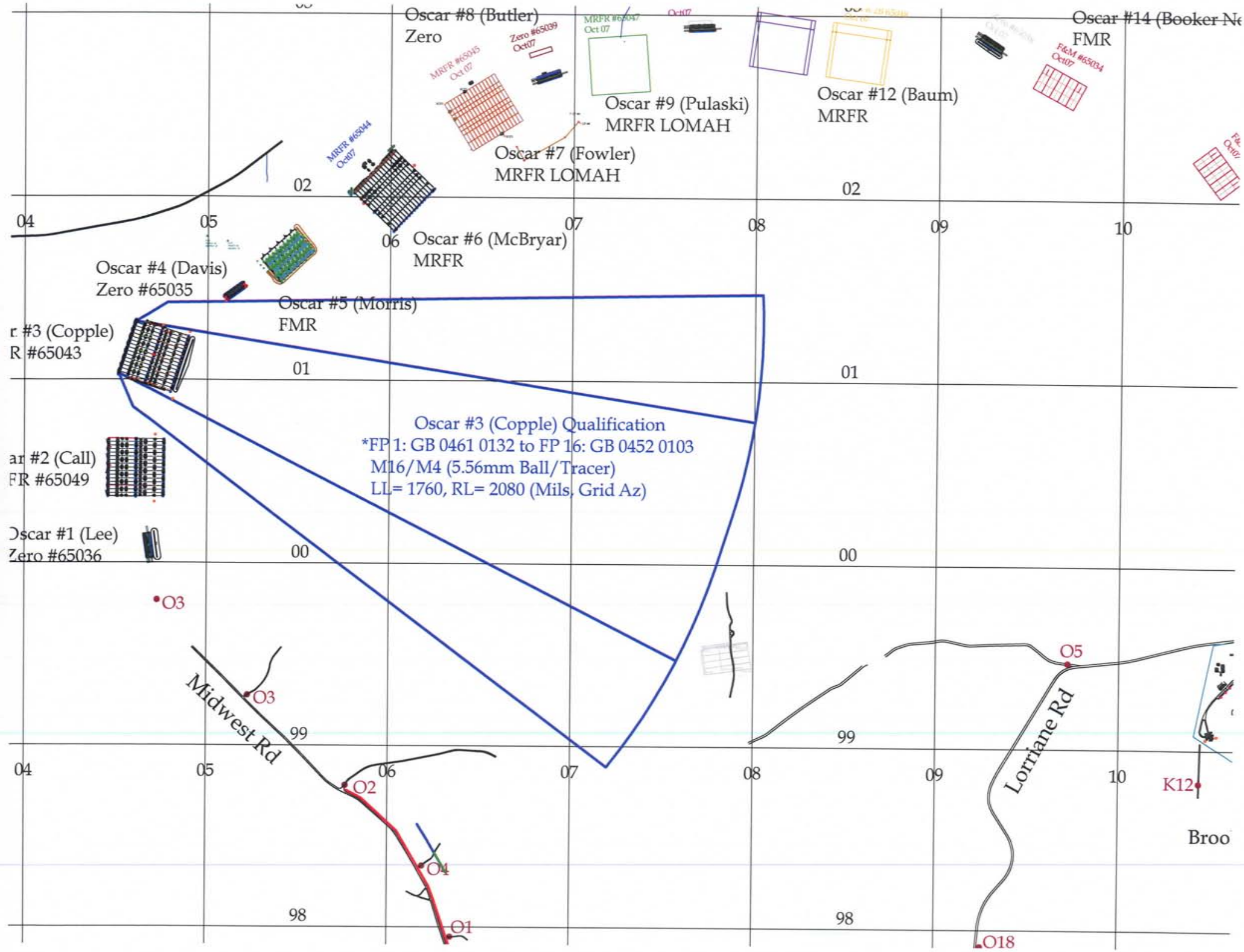
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Oscar #9 (Pulaski)
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Oscar #12 (Baum)
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Oscar #5 (Morris)
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Oscar #3 (Copple) Qualification
*FP 1: GB 0461 0132 to FP 16: GB 0452 0103
M16/M4 (5.56mm Ball/Tracer)
LL= 1760, RL= 2080 (Mils, Grid Az)
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FR #65049
Oscar #1 (Lee)
Zero #65036
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